

WHAT IS CLAIMED IS:

1. A router apparatus comprising: an IP packet identification unit for identifying IP packets that are
5 burstly transmitted to said router apparatus based on both a protocol for a transport layer, which is applied to received IP packets, and a transfer rate at a time of receiving IP packets, and for disabling a transfer of received IP packets that are determined to be burstly transmitted to said router apparatus;
10 and a transfer rate measurement unit for determining said transfer rate.

2. The router apparatus according to Claim 1, wherein in a case of receiving IP packets to which TCP is applied as
15 the protocol for the transport layer, said IP packet identification unit discards said IP packets so as to cause a terminal that is a sending source of said IP packets to adjust the transfer rate to a predetermined value or below when the transfer rate at the time of receiving said IP packets exceeds
20 the predetermined value.

3. The router apparatus according to Claim 1, wherein in a case of receiving IP packets to which UDP is applied as the protocol for the transport layer, said IP packet
25 identification unit discards all IP packets associated with an identical session when the transfer rate at the time of receiving said IP packets exceeds a predetermined value.

4. The router apparatus according to Claim 1, wherein
30 said IP packet identification unit transfers IP packets to

which RTP is applied as the protocol for the transport layer on a priority basis, and disables a transfer of IP packets to which other protocols are applied.

5 5. The router apparatus according to Claim 1, wherein said transfer rate measurement unit calculates the transfer rate only for sessions in which a time required for reception of preceding IP packets does not exceed a predetermined time.

10 6. The router apparatus according to Claim 2, wherein said transfer rate measurement unit dynamically sets the predetermined value based on a number of sessions stored in said router apparatus.

15 7. The router apparatus according to Claim 2, wherein said transfer rate measurement unit dynamically sets the predetermined value according to an amount of transferred data stored in said router apparatus.